

Converting Colors

CIELCh(88, 39.931, 117.377)

Have a look what the booklet for
CIELCh(88, 39.931, 117.377)
contains.

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Color

CIELCh(88, 40.015, 117.109)

Conversions

Conversions Part 1

Format	Color
Hex	D3E598
RGB	211, 229, 152
RGB Percent	83%, 90%, 60%
CMY	0.1730, 0.1024, 0.4044
CMYK	0.08, 0.00, 0.34, 0.10
HSL	74°, 60%, 75%
HSV	74°, 34%, 90%
XYZ	60.4728, 72.0653, 40.3796
YIQ	214.8400, 13.9890, -27.7630

Conversions

Conversions Part 2

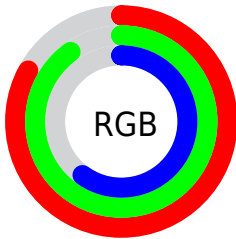
Format	Color
RYB	152, 229, 170
Decimal	13886872
CIELab	88.00, -18.23, 35.62
CIELCh	88, 40.015, 117.109
Yxy	72.0653, 0.3497, 0.4168
Android (android.graphics.Color)	4292076952 (0xFFD3E598)
YUV	214.8400, -30.9801, -3.3677
Hunter-Lab	84.8913, -21.4042, 31.2219

Details

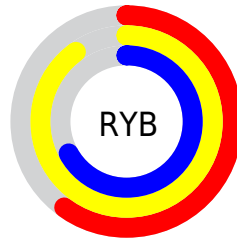
The CIELCh color **88, 40.015, 117.109** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **67, 43.117, 301.983**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 24.233, 108.340**, and **68, 40.310, 117.583** is the 20% darker color. If you saturate the color by 10%, you get **87, 51.389, 116.499**, and if you desaturate by 10%, it is **89, 28.293, 117.761**.

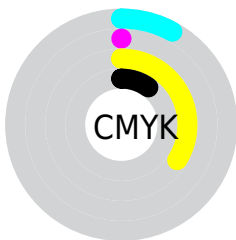
Distribution



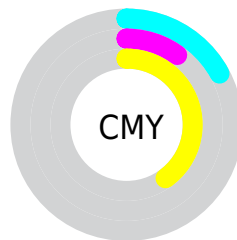
- Red (83%)
- Green (90%)
- Blue (60%)



- Red (60%)
- Yellow (90%)
- Blue (67%)



- Cyan (8%)
- Magenta (0%)
- Yellow (34%)
- Black (10%)





- Cyan (17%)
- Magenta (10%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 40.015, 117.109 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 88, 40.015, 117.109 by changing the saturation by 10% instead.


 88, 40.015,
117.109


 88, 40.015,
117.109


 100, 40.015,
117.109


 78, 40.015,
117.109

 68, 40.015,
117.109

 58, 40.015,
117.109

 48, 40.015,
117.109

 38, 40.015,
117.109


 28, 40.015,
117.109

 18, 40.015,


117.109


 8, 40.015, 117.109


 0, 40.015, 117.109


 88, 40.015,
117.109


 88, 40.015,
117.109

 87, 51.389,
116.499


 89, 28.293,
117.761

 87, 62.173,
115.966

 90, 16.375,
118.418


 86, 72.018,
115.575

 91, 4.367, 119.069

 86, 80.445,
115.410

 92, 7.659, 299.683

 85, 86.896,

 92, 13.898,
303.698

115.573

93, 14.421,
310.900

85, 90.953,
116.151

93, 15.154,
317.571

85, 92.512,
116.698

94, 16.073,
323.617

94, 16.322,
324.989

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



88, 40.015, 117.109



67, 43.117, 301.983

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 40.015, 117.109



88, 40.015, 167.109



88, 40.015, 297.109



88, 40.015, 347.109

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



88, 40.017, 117.111



99, 13.111, 118.652



75, 26.209, 42.613



53, 8.944, 118.560



0, 0.000, 0.000



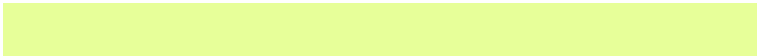
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 40.017, 117.111



96, 51.623, 116.701



86, 45.187, 135.086



48, 6.837, 118.691



68, 76.735, 116.498



19, 30.031, 116.212

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



67, 43.117, 301.983



69, 56.621, 302.656



71, 46.177, 318.230



44, 6.976, 299.927



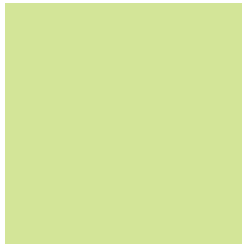
23, 100.371, 307.588



3, 34.219, 302.365

Previews

White Background



This preview shows how the CIELCh color 88, 40.015, 117.109 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 88, 40.015, 117.109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

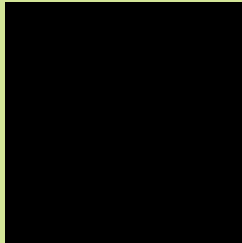
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

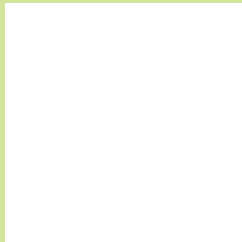
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 40.015, 117.109

Background



This preview shows how black text looks on a background with the CIELCh color 88, 40.015, 117.109.

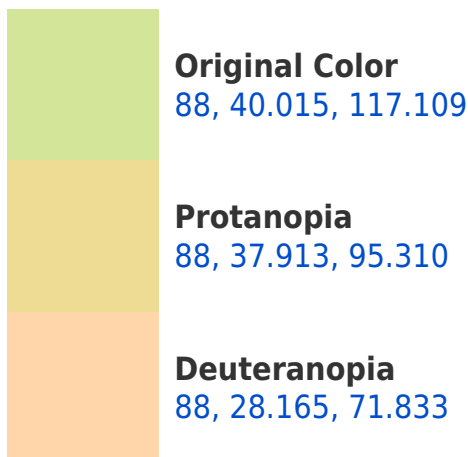


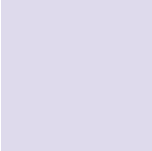
This preview shows how white text looks on a background with the CIELCh color 88, 40.015, 117.109.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

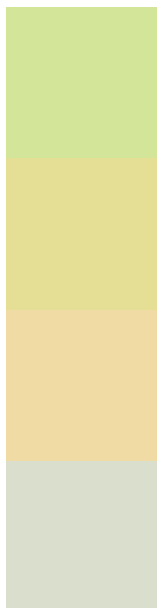
Dichromacy





Tritanopia
88, 9.540, 299.363

Trichromacy



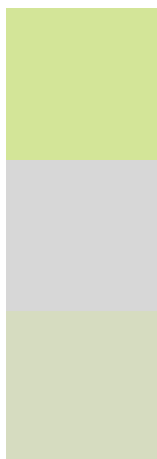
Original Color
88, 40.015, 117.109

Protanomaly
88, 38.070, 103.341

Deuteranomaly
88, 30.109, 92.382

Tritanomaly
88, 8.974, 118.866

Monochromacy



Original Color
88, 40.015, 117.109

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 14.763, 117.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 40.015, 117.109 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(211, 229, 152)` looks like.

```
.text, #text, p{  
    color:rgb(211, 229, 152)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(211, 229, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 229, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 40.015, 117.109 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(211, 229, 152) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(211, 229, 152) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(211, 229, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(211, 229, 152); -webkit-box-shadow:4px 4px 4px 4px rgb(211, 229, 152); box-shadow:4px 4px 4px 4px rgb(211, 229, 152) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 40.015, 117.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 229, 152) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(211,  
229, 152) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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